

Project Title:	Graduate and Postdoctoral Training in Environmental Health Science and Toxicology
PI:	Miller, Gary W
Institution:	Emory University
Grant Number:	T32ES012870

These search results have not been confirmed by NIEHS and are therefore, not official. They are to be used only for general information and to inform the public and grantees on the breadth of research funded by NIEHS.

Viewing 139 publications

Print version (PDF)

(http://www.niehs.nih.gov//portfolio/index.cfm/portfolio/grantpubdetail/grant_number/T32ES012870/format/word)

Publication Title	Authors	Journal (Pub date)	Volume/Page	PubMed Link
25-Hydroxyvitamin D depletion does not exacerbate MPTP-induced dopamine neuron damage in mice.	Dean, E Danielle; Mexas, Lydia M; Capiro, Natalie L; McKeon, Jeanne E; DeLong, Mahlon R; Pennell, Kurt D; Doorn, Jonathan A; Tangpricha, Vin; Miller, Gary W; Evatt, Marian L	PLoS One (2012)	7 / e39227	PubMed Citation
A fluorescent-based assay for live cell, spatially resolved assessment of vesicular monoamine transp ...	Bernstein, Alison I; Stout, Kristen A; Miller, Gary W	J Neurosci Methods (2012 Aug 15)	209 / 357-66	PubMed Citation
A network perspective on metabolism and aging.	Soltow, Quinlyn A; Jones, Dean P; Promislow, Daniel E L	Integr Comp Biol (2010 Nov)	50 / 844-54	PubMed Citation
A practical approach to detect unique metabolic patterns for personalized medicine.	Johnson, Jennifer M; Yu, Tianwei; Strobel, Frederick H; Jones, Dean P	Analyst (2010 Nov)	135 / 2864-70	PubMed Citation
A selective TrkB agonist with potent neurotrophic activities by 7,8-dihydroxyflavone.	Jang, Sung-Wuk; Liu, Xia; Yepes, Manuel; Shepherd, Kennie R; Miller, Gary W; Liu, Yang; Wilson, W David; Xiao, Ge; Blanchi, Bruno; Sun, Yi E; Ye, Keqiang	Proc Natl Acad Sci U S A (2010 Feb 9)	107 / 2687-92	PubMed Citation
A subunit-selective potentiator of NR2C- and NR2D-containing NMDA receptors.	Mullasseril, Praseeda; Hansen, Kasper B; Vance, Katie M; Ogden, Kevin K; Yuan, Hongjie; Kurtkaya,	Nat Commun (2010)	1 / 90	PubMed Citation

A survey from 2012 of evidence for the role of neuroinflammation in neurotoxin animal models of Park ...	Natalie L; Santangelo, Rose; Orr, Anna G; Le, Phuong; Vellano, Kimberly M; Liotta, Dennis C; Traynelis, Stephen F	Ramsey, Chenere P; Tansey, Malú G	Exp Neurol (2014 Jun)	256 / 126-32	PubMed Citation
A survey of the protective effects of some commercially available antioxidant supplements in genetic ...	Vrailas-Mortimer, Alycia; Gomez, Rosy; Dowse, Harold; Sanyal, Subhabrata	Exp Gerontol (2012 Sep)	47 / 712-22	PubMed Citation	
Absence of SOD1 leads to oxidative stress in peripheral nerve and causes a progressive distal motor ...	Fischer, Lindsey R; Li, Yingjie; Asress, Seneshaw A; Jones, Dean P; Glass, Jonathan D	Exp Neurol (2012 Jan)	233 / 163-71	PubMed Citation	
Adenosine A(2A) receptor mediates microglial process retraction.	Orr, Anna G; Orr, Adam L; Li, Xiao-Jiang; Gross, Robert E; Traynelis, Stephen F	Nat Neurosci (2009 Jul)	12 / 872-8	PubMed Citation	
Adenosine A2A receptor antagonism reverses inflammation-induced impairment of microglial process ext ...	Gyoneva, Stefka; Shapiro, Lauren; Lazo, Carlos; Garnier-Amblard, Ethel; Smith, Yoland; Miller, Gary W; Traynelis, Stephen F	Neurobiol Dis (2014 Jul)	67 / 191-202	PubMed Citation	
Air pollution and acute respiratory infections among children 0-4 years of age: an 18-year time-seri ...	Darrow, Lyndsey A; Klein, Mitchel; Flanders, W Dana; Mulholland, James A; Tolbert, Paige E; Strickland, Matthew J	Am J Epidemiol (2014 Nov 15)	180 / 968-77	PubMed Citation	
Altered ethanol-associated behaviors in vesicular monoamine transporter heterozygote knockout mice.	Savelieva, Katerina V; Caudle, W Michael; Miller, Gary W	Alcohol (2006 Oct)	40 / 87-94	PubMed Citation	
Altered vesicular dopamine storage in Parkinson's disease: a premature demise.	Caudle, W Michael; Colebrooke, Rebecca E; Emson, Piers C; Miller, Gary W	Trends Neurosci (2008 Jun)	31 / 303-8	PubMed Citation	

An epigenetic clock for gestational age at birth based on blood methylation data.	Knight, Anna K; Craig, Jeffrey M; Theda, Christiane; Bækvad-Hansen, Marie; Bybjerg-Grauholtm, Jonas; Hansen, Christine S; Hollegaard, Mads V; Hougaard, David M; Mortensen, Preben B; Weinsheimer, Shantel M; Werge, Thomas M; Brennan, Patricia A; Cubells, Joseph F; Newport, D Jeffrey; Stowe, Zachary N; Cheong, Jeanie L Y; Dalach, Philippa; Doyle, Lex W; Loke, Yuk J; Baccarelli, Andrea A; Just, Allan C; Wright, Robert O; Téllez-Rojo, Mara M; Svensson, Katherine; Trevisi, Letizia; Kennedy, Elizabeth M; Binder, Elisabeth B; Iurato, Stella; Czamara, Darina; Räikkönen, Katri; Lahti, Jari M T; Pesonen, Anu-Katriina; Kajantie, Eero; Villa, Pia M; Laivuori, Hannele; Hämäläinen, Esa; Park, Hea Jin; Bailey, Lynn B; Parets, Sasha E; Kilaru, Varun; Menon, Ramkumar; Horvath, Steve; Bush, Nicole R; LeWinn, Kaja Z; Tylavsky, Frances A; Conneely,	Genome Biol (2016 Oct 07)	17 / 206	PubMed Citation
-----------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------	----------	-----------------

	Karen N; Smith, Alicia K			
Antidiabetic phospholipid-nuclear receptor complex reveals the mechanism for phospholipid-driven gen ...	Musille, Paul M; Pathak, Manish C; Lauer, Janelle L; Hudson, William H; Griffin, Patrick R; Ortlund, Eric A	Nat Struct Mol Biol (2012 May)	19 / 532-7, S1-2	PubMed Citation
Apaf1 apoptotic function critically limits Sonic hedgehog signaling during craniofacial development.	Long, A B; Kaiser, W J; Mocarski, E S; Caspary, T	Cell Death Differ (2013 Nov)	20 / 1510-20	PubMed Citation
Assessing reproductive toxicity of two environmental toxicants with a novel in vitro human spermatog ...	Easley 4th, Charles A; Bradner, Joshua M; Moser, Amber; Rickman, Chelsea A; McEachin, Zachary T; Merritt, Megan M; Hansen, Jason M; Caudle, W Michael	Stem Cell Res (2015 May)	14 / 347-55	PubMed Citation
Association between polychlorinated biphenyls and Parkinson's disease neuropathology.	Hatcher-Martin, Jaime M; Gearing, Marla; Steenland, Kyle; Levey, Allan I; Miller, Gary W; Pennell, Kurt D	Neurotoxicology (2012 Oct)	33 / 1298-304	PubMed Citation
Associations of maternal organophosphate pesticide exposure and PON1 activity with birth outcomes in ...	Naksen, Warangkana; Prapamontol, Tippawan; Mangklabruks, Ampica; Chantara, Sompong; Thavornyutikarn, Prasak; Srinual, Niphan; Panuwet, Parinya; Ryan, P Barry; Riederer, Anne M; Barr, Dana Boyd	Environ Res (2015 Oct)	142 / 288-96	PubMed Citation
Behavioral effects of chronic adolescent stress are sustained and sexually dimorphic.	Bourke, Chase H; Neigh, Gretchen N	Horm Behav (2011 Jun)	60 / 112-20	PubMed Citation
Behavioral phenotyping of mouse models of Parkinson's disease.	Taylor, Tonya N; Greene, James G; Miller, Gary W	Behav Brain Res (2010 Jul 29)	211 / 1-10	PubMed Citation
Biological Matrix Effects in Quantitative Tandem Mass Spectrometry-Based Analytical Methods: Advanci ...	Panuwet, Parinya; Hunter Jr, Ronald E; D'Souza, Priya E; Chen, Xianyu; Radford, Samantha A; Cohen, Jordan R; Marder, M	Crit Rev Anal Chem (2016)	46 / 93-105	PubMed Citation

Chemical-genetic disruption of clathrin function spares adaptor complex 3-dependent endosome vesicle ...	Elizabeth; Kartavenka, Kostya; Ryan, P Barry; Barr, Dana Boyd	Zlatic, Stephanie A; Grossniklaus, Emily J; Ryder, Pearl V; Salazar, Gloria; Mattheyses, Alexa L; Peden, Andrew A; Faundez, Victor	Mol Biol Cell (2013 Aug) 24 / 2378-88	PubMed Citation
Collection of analytes from microneedle patches.	Romanyuk, Andrey V; Zvezdin, Vasiliy N; Samant, Pradnya; Grenader, Mark I; Zemlyanova, Marina; Prausnitz, Mark R	Anal Chem (2014 Nov 4) 86 / 10520-3	PubMed Citation	
Comparative distribution of protein components of the A20 ubiquitin-editing complex in normal human ...	Pranski, Elaine L; Van Sanford, Carson D; Dalal, Nirjari V; Orr, Adam L; Karmali, Dipan; Cooper, Deborah S; Costa, Nichole; Heilman, Craig J; Gearing, Marla; Lah, James J; Levey, Allan I; Betarbet, Ranjita S	Neurosci Lett (2012 Jun 27) 520 / 104-9	PubMed Citation	
Comparative Proteomic Analysis of Carbonylated Proteins from the Striatum and Cortex of Pesticide-Treated Rats	Coughlan, Christina; Walker, Douglas I; Lohr, Kelly M; Richardson, Jason R; Saba, Laura M; Caudle, W Michael; Fritz, Kristofer S; Roede, James R	Parkinsons Dis (2015) 2015 / 812532	PubMed Citation	
Computational analysis of determinants of dopamine (DA) dysfunction in DA nerve terminals.	Qi, Zhen; Miller, Gary W; Voit, Eberhard O	Synapse (2009 Dec) 63 / 1133-42	PubMed Citation	
Computational systems analysis of dopamine metabolism.	Qi, Zhen; Miller, Gary W; Voit, Eberhard O	PLoS One (2008 Jun 18) 3 / e2444	PubMed Citation	

Design, synthesis, and structure-activity relationship of a novel series of GluN2C-selective potenti ...	Zimmerman, Sommer S; Khatri, Alpa; Garnier-Amblard, Ethel C; Mullasseril, Praseeda; Kurtkaya, Natalie L; Gyoneva, Stefka; Hansen, Kasper B; Traynelis, Stephen F; Liotta, Dennis C	J Med Chem (2014 Mar 27)	57 / 2334-56	PubMed Citation
Detailed mitochondrial phenotyping by high resolution metabolomics.	Roede, James R; Park, Youngja; Li, Shuzhao; Strobel, Frederick H; Jones, Dean P	PLoS One (2012)	7 / e33020	PubMed Citation
Determinants of buildup of the toxic dopamine metabolite DOPAL in Parkinson's disease.	Goldstein, David S; Sullivan, Patti; Holmes, Courtney; Miller, Gary W; Alter, Shawn; Strong, Randy; Mash, Deborah C; Kopin, Irwin J; Sharabi, Yehonatan	J Neurochem (2013 Sep)	126 / 591-603	PubMed Citation
Developmental exposure to the organochlorine insecticide endosulfan alters expression of proteins as ...	Wilson, W Wyatt; Onyenwe, Wellington; Bradner, Joshua M; Nennig, Sadie E; Caudle, W Michael	Synapse (2014 Nov)	68 / 485-97	PubMed Citation
Developmental exposure to the organochlorine insecticide endosulfan damages the nigrostriatal dopami ...	Wilson, W Wyatt; Shapiro, Lauren P; Bradner, Joshua M; Caudle, W Michael	Neurotoxicology (2014 Sep)	44 / 279-87	PubMed Citation
Developmental exposure to the pesticide dieldrin alters the dopamine system and increases neurotoxic ...	Richardson, Jason R; Caudle, W Michael; Wang, Minzheng; Dean, E Danielle; Pennell, Kurt D; Miller, Gary W	FASEB J (2006 Aug)	20 / 1695-7	PubMed Citation
Developmental heptachlor exposure increases susceptibility of dopamine neurons to N-methyl-4-phenyl- ...	Richardson, Jason R; Caudle, W Michael; Wang, Min Zheng; Dean, E Danielle; Pennell, Kurt D; Miller, Gary W	Neurotoxicology (2008 Sep)	29 / 855-63	PubMed Citation

Developmental pesticide exposure reproduces features of attention deficit hyperactivity disorder.	Richardson, Jason R; Taylor, Michele M; Shalat, Stuart L; Guillot 3rd, Thomas S; Caudle, W Michael; Hossain, Muhammad M; Mathews, Tiffany A; Jones, Sara R; Cory-Slechta, Deborah A; Miller, Gary W	FASEB J (2015 May)	29 / 1960-72	PubMed Citation
Diastolic dysfunction is associated with cardiac fibrosis in the senescence-accelerated mouse.	Reed, Alana L; Tanaka, Atsuko; Sorescu, Dan; Liu, Hong; Jeong, Euy-Myoung; Sturdy, Megan; Walp, Erik R; Dudley Jr, Samuel C; Sutliff, Roy L	Am J Physiol Heart Circ Physiol (2011 Sep)	301 / H824-31	PubMed Citation
Dieldrin exposure induces oxidative damage in the mouse nigrostriatal dopamine system.	Hatcher, Jaime M; Richardson, Jason R; Guillot, Thomas S; McCormack, Alison L; Di Monte, Donato A; Jones, Dean P; Pennell, Kurt D; Miller, Gary W	Exp Neurol (2007 Apr)	204 / 619-30	PubMed Citation
Direct regulation of complex I by mitochondrial MEF2D is disrupted in a mouse model of Parkinson dis ...	She, Hua; Yang, Qian; Shepherd, Kennie; Smith, Yoland; Miller, Gary; Testa, Claudia; Mao, Zixu	J Clin Invest (2011 Mar)	121 / 930-40	PubMed Citation
Disruption of dopamine transport by DDT and its metabolites.	Hatcher, Jaime M; Delea, Kristin C; Richardson, Jason R; Pennell, Kurt D; Miller, Gary W	Neurotoxicology (2008 Jul)	29 / 682-90	PubMed Citation
Divergent sequence tunes ligand sensitivity in phospholipid-regulated hormone receptors.	Musille, Paul M; Pathak, Manish; Lauer, Janelle L; Griffin, Patrick R; Ortlund, Eric A	J Biol Chem (2013 Jul 12)	288 / 20702-12	PubMed Citation
Effects of phenol on barrier function of a human intestinal epithelial cell line correlate with alte ...	McCall, Ingrid C; Betanzos, Abigail; Weber, Dominique A; Nava, Porfirio; Miller, Gary W; Parkos, Charles A	Toxicol Appl Pharmacol (2009 Nov 15)	241 / 61-70	PubMed Citation

Exposure to repeated maternal aggression induces depressive-like behavior and increases startle in a ...	Bourke, Chase H; Neigh, Gretchen N	Behav Brain Res (2012 Feb 1)	227 / 270-5	PubMed Citation
Exposure to the polybrominated diphenyl ether mixture DE-71 damages the nigrostriatal dopamine syste ...	Bradner, Joshua M; Suragh, Tiffany A; Wilson, W Wyatt; Lazo, Carlos R; Stout, Kristen A; Kim, Hye Mi; Wang, Min Z; Walker, Douglas I; Pennell, Kurt D; Richardson, Jason R; Miller, Gary W; Caudle, W Michael	Exp Neurol (2013 Mar)	241 / 138-47	PubMed Citation
Fungal-derived semiochemical 1-octen-3-ol disrupts dopamine packaging and causes neurodegeneration.	Inamdar, Arati A; Hossain, Muhammad M; Bernstein, Alison I; Miller, Gary W; Richardson, Jason R; Bennett, Joan Wennstrom	Proc Natl Acad Sci U S A (2013 Nov 26)	110 / 19561-6	PubMed Citation
Glucocorticoid sensitizers Bag1 and Ppid are regulated by adolescent stress in a sex-dependent manne ...	Bourke, Chase H; Raees, Madiha Q; Malviya, Sanjana; Bradburn, Cory A; Binder, Elisabeth B; Neigh, Gretchen N	Psychoneuroendocrinology (2013 Jan)	38 / 84-93	PubMed Citation
GluN1 splice variant control of GluN1/GluN2D NMDA receptors.	Vance, Katie M; Hansen, Kasper B; Traynelis, Stephen F	J Physiol (2012 Aug 15)	590 / 3857-75	PubMed Citation
Glutamate receptor ion channels: structure, regulation, and function.	Traynelis, Stephen F; Wollmuth, Lonnie P; McBain, Chris J; Menniti, Frank S; Vance, Katie M; Ogden, Kevin K; Hansen, Kasper B; Yuan, Hongjie; Myers, Scott J; Dingledine, Ray	Pharmacol Rev (2010 Sep)	62 / 405-96	PubMed Citation
High-performance metabolic profiling of plasma from seven mammalian species for simultaneous environ ...	Park, Youngja H; Lee, Kichun; Soltow, Quinlyn A; Strobel, Frederick H; Brigham, Kenneth L; Parker, Richard E; Wilson, Mark E; Sutliff,	Toxicology (2012 May 16)	295 / 47-55	PubMed Citation

	Roy L; Mansfield, Keith G; Wachtman, Lynn M; Ziegler, Thomas R; Jones, Dean P			
High-resolution metabolomics to discover potential parasite-specific biomarkers in a <i>Plasmodium falc...</i>	Park, Youngja H; Shi, Ya Ping; Liang, Bill; Medriano, Carl Angelo D; Jeon, Young Ho; Torres, Eucaris; Uppal, Karan; Slutsker, Laurence; Jones, Dean P	Malar J (2015 Mar 24)	14 / 122	PubMed Citation
High-Resolution Metabolomics: Review of the Field and Implications for Nursing Science and the Study ...	Li, Shuzhao; Dunlop, Anne L; Jones, Dean P; Corwin, Elizabeth J	Biol Res Nurs (2016 Jan)	18 / 12-22	PubMed Citation
HPLC-MS/MS method for the measurement of insecticide degradates in baby food.	Radford, Samantha A; Panuwet, Parinya; Hunter Jr, Ronald E; Barr, Dana Boyd; Ryan, P Barry	J Agric Food Chem (2014 Jul 23)	62 / 7085-91	PubMed Citation
Hybrid feature detection and information accumulation using high-resolution LC-MS metabolomics data.	Yu, Tianwei; Park, Youngja; Li, Shuzhao; Jones, Dean P	J Proteome Res (2013 Mar 1)	12 / 1419-27	PubMed Citation
Hyperactivity and impaired response habituation in hyperdopaminergic mice.	Zhuang, X; Oosting, R S; Jones, S R; Gainetdinov, R R; Miller, G W; Caron, M G; Hen, R	Proc Natl Acad Sci U S A (2001 Feb 13)	98 / 1982-7	PubMed Citation
Impaired terminal differentiation of pulmonary macrophages in a Guinea pig model of chronic ethanol ...	Brown, Sheena D; Gauthier, Theresa W; Brown, Lou Ann S	Alcohol Clin Exp Res (2009 Oct)	33 / 1782-93	PubMed Citation
Improving peak detection in high-resolution LC/MS metabolomics data using preexisting knowledge and ...	Yu, Tianwei; Jones, Dean P	Bioinformatics (2014 Oct 15)	30 / 2941-8	PubMed Citation
In Vitro and In Vivo Characterization of the Alkaloid Nuciferine.	Farrell, Martilias S; McCorry, John D; Huang, Xi-Ping; Urban, Daniel J; White, Kate L; Giguere, Patrick M; Doak, Allison K; Bernstein, Alison I; Stout, Kristen A; Park, Su	PLoS One (2016)	11 / e0150602	PubMed Citation

	Mi; Rodriguez, Ramona M; Gray, Bradley W; Hyatt, William S; Norwood, Andrew P; Webster, Kevin A; Gannon, Brenda M; Miller, Gary W; Porter, Joseph H; Shoichet, Brian K; Fantegrossi, William E; Wetsel, William C; Roth, Bryan L		
Increased Vesicular Monoamine Transporter 2 (VMAT2; Slc18a2) Protects against Methamphetamine Toxicity	Lohr, Kelly M; Stout, Kristen A; Dunn, Amy R; Wang, Minzheng; Salahpour, Ali; Guillot, Thomas S; Miller, Gary W	ACS Chem Neurosci (2015) 6 / 790-9 May 20	PubMed Citation
Increased vesicular monoamine transporter enhances dopamine release and opposes Parkinson disease-related toxicity	Lohr, Kelly M; Bernstein, Alison I; Stout, Kristen A; Dunn, Amy R; Lazo, Carlos R; Alter, Shawn P; Wang, Minzheng; Li, Yingjie; Fan, Xueliang; Hess, Ellen J; Yi, Hong; Vecchio, Laura M; Goldstein, David S; Guillot, Thomas S; Salahpour, Ali; Miller, Gary W	Proc Natl Acad Sci U S A 111 / 9977-82 (2014 Jul 8)	PubMed Citation
Industrial toxicants and Parkinson's disease.	Caudle, W Michael; Guillot, Thomas S; Lazo, Carlos R; Miller, Gary W	Neurotoxicology (2012) 33 / 178-88 Mar	PubMed Citation
Insights into genetic susceptibility in the etiology of spontaneous preterm birth.	Parets, Sasha E; Knight, Anna K; Smith, Alicia K	Appl Clin Genet (2015) 8 / 283-90	PubMed Citation
Joint effects of ambient air pollutants on pediatric asthma emergency department visits in Atlanta, Georgia	Winquist, Andrea; Kirrane, Ellen; Klein, Mitch; Strickland, Matthew; Darrow, Lyndsey A; Sarnat, Stefanie Ebelt; Gass, Katherine; Mulholland, James; Russell, Armistead;	Epidemiology (2014 Sep) 25 / 666-73	PubMed Citation

Ligand-specific deactivation time course of GluN1/GluN2D NMDA receptors.	Tolbert, Paige Vance, Katie M; Simorowski, Noriko; Traynelis, Stephen F; Furukawa, Hiro	Nat Commun (2011)	2 / 294	PubMed Citation
Low-Dose Cadmium Causes Metabolic and Genetic Dysregulation Associated With Fatty Liver Disease in M ...	Go, Young-Mi; Sutliff, Roy L; Chandler, Joshua D; Khalidur, Rahman; Kang, Bum-Yong; Anania, Frank A; Orr, Michael; Hao, Li; Fowler, Bruce A; Jones, Dean P	Toxicol Sci (2015 Oct)	147 / 524-34	PubMed Citation
Low-dose oral cadmium increases airway reactivity and lung neuronal gene expression in mice.	Chandler, Joshua D; Wongtrakool, Cherry; Banton, Sophia A; Li, Shuzhao; Orr, Michael L; Barr, Dana Boyd; Neujahr, David C; Sutliff, Roy L; Go, Young-Mi; Jones, Dean P	Physiol Rep (2016 Jul)	4 /	PubMed Citation
Maneb and paraquat-mediated neurotoxicity: involvement of peroxiredoxin/thioredoxin system.	Roede, James R; Hansen, Jason M; Go, Young-Mi; Jones, Dean P	Toxicol Sci (2011 Jun)	121 / 368-75	PubMed Citation
Mechanism for noncompetitive inhibition by novel GluN2C/D N-methyl-D-aspartate receptor subunit-selective ...	Acker, Timothy M; Yuan, Hongjie; Hansen, Kasper B; Vance, Katie M; Ogden, Kevin K; Jensen, Henrik S; Burger, Pieter B; Mullaseril, Praseeda; Snyder, James P; Liotta, Dennis C; Traynelis, Stephen F	Mol Pharmacol (2011 Nov)	80 / 782-95	PubMed Citation
MetabNet: An R Package for Metabolic Association Analysis of High-Resolution Metabolomics Data.	Uppal, Karan; Soltow, Quinlyn A; Promislow, Daniel E L; Wachtman, Lynn M; Quyyumi, Arshed Ali; Jones, Dean P	Front Bioeng Biotechnol (2015)	3 / 87	PubMed Citation

Metabolic Characterization of the Common Marmoset (<i>Callithrix jacchus</i>). Metabolic Consequences of Chronic Alcohol Abuse in Non-Smokers: A Pilot Study. Metabolome-wide association study of phenylalanine in plasma of common marmosets. Metabolome-Wide Association Study of Primary Open Angle Glaucoma. Metabolomics and Mycobacterial Disease: Don't Forget the Bioinformatics.	Go, Young-Mi; Liang, Yongliang; Uppal, Karan; Soltow, Quinlyn A; Promislow, Daniel E L; Wachtman, Lynn M; Jones, Dean P Obianyo, Obiamaka; Liang, Yan; Burnham, Ellen L; Mehta, Ashish; Park, Youngja; Uppal, Karan; Harris, Frank L; Jones, Dean P; Brown, Lou Ann S Go, Young-Mi; Walker, Douglas I; Soltow, Quinlyn A; Uppal, Karan; Wachtman, Lynn M; Strobel, Fredrick H; Pennell, Kurt; Promislow, Daniel E L; Jones, Dean P Burgess, L Goodwin; Uppal, Karan; Walker, Douglas I; Roberson, Rachel M; Tran, ViLinh; Parks, Megan B; Wade, Emily A; May, Alexandra T; Umfress, Allison C; Jarrell, Kelli L; Stanley, Brooklyn O C; Kuchtey, John; Kuchtey, Rachel W; Jones, Dean P; Brantley Jr, Milam A Collins, Jeffrey M; Kempker, Russell R; Ziegler, Thomas R; Blumberg, Henry M; Jones, Dean P	PLoS One (2015) PLoS One (2015) Amino Acids (2015 Mar) Invest Ophthalmol Vis Sci (2015 Jul) Ann Am Thorac Soc (2016 Jan)	10 / e0142916 10 / e0129570 47 / 589-601 56 / 5020-8 13 / 141-2	PubMed Citation PubMed Citation PubMed Citation PubMed Citation PubMed Citation
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------

Metabolomics profile comparisons of irradiated and nonirradiated stored donor red blood cells.	Patel, Ravi M; Roback, John D; Uppal, Karan; Yu, Tianwei; Jones, Dean P; Josephson, Cassandra D	Transfusion (2015 Mar)	55 / 544-52	PubMed Citation
Microglial phenotypes in Parkinson's disease and animal models of the disease.	Joers, Valerie; Tansey, Malú G; Mulas, Giovanna; Carta, Anna R	Prog Neurobiol (2016 Apr / 20)		PubMed Citation
Misassembly of full-length Disrupted-in-Schizophrenia 1 protein is linked to altered dopamine homeos ...	Trossbach, S V; Bader, V; Hecher, L; Pum, M E; Masoud, S T; Prikulis, I; Schäble, S; de Souza Silva, M A; Su, P; Boulat, B; Chwiesko, C; Poschmann, G; Stühler, K; Lohr, K M; Stout, K A; Oskamp, A; Godsave, S F; Müller-Schiffmann, A; Bilzer, T; Steiner, H; Peters, P J; Bauer, A; Sauvage, M; Ramsey, A J; Miller, G W; Liu, F; Seeman, P; Brandon, N J; Huston, J P; Korth, C	Mol Psychiatry (2016 Nov) 21 / 1561-1572		PubMed Citation
Mitochondrial metabolomics using high-resolution Fourier-transform mass spectrometry.	Go, Young-Mi; Uppal, Karan; Walker, Douglas I; Tran, ViLinh; Dury, Lauriane; Strobel, Frederick H; Baubichon-Cortay, Hélène; Pennell, Kurt D; Roede, James R; Jones, Dean P	Methods Mol Biol (2014) 1198 / 43-73		PubMed Citation
Modal gating of GluN1/GluN2D NMDA receptors.	Vance, Katie M; Hansen, Kasper B; Traynelis, Stephen F	Neuropharmacology (2013 Aug) 71 / 184-90		PubMed Citation

Modification of the effect of ambient air pollution on pediatric asthma emergency visits: susceptibl ...	Strickland, Matthew J; Klein, Mitchel; Flanders, W Dana; Chang, Howard H; Mulholland, James A; Tolbert, Paige E; Darrow, Lyndsey A	Epidemiology (2014 Nov) 25 / 843-50	PubMed Citation
Neuronal copper homeostasis susceptibility by genetic defects in dysbindin, a schizophrenia suscepti ...	Gokhale, Avanti; Vrailas-Mortimer, Alycia; Larimore, Jennifer; Comstra, Heather S; Zlatic, Stephanie A; Werner, Erica; Manvich, Daniel F; Iuvone, P Michael; Weinshenker, David; Faundez, Victor	Hum Mol Genet (2015 Oct 24 / 5512-23 1)	PubMed Citation
Neuronal RING finger protein 11 (RNF11) regulates canonical NF- κ B signaling.	Pranski, Elaine L; Dalal, Nirjari V; Herskowitz, Jeremy H; Orr, Adam L; Roesch, Leah A; Fritz, Jason J; Heilman, Craig; Lah, James J; Levey, Allan I; Betarbet, Ranjita S	J Neuroinflammation (2012)	9 / 67 PubMed Citation
NF-*B activity is inversely correlated to RNF11 expression in Parkinson's disease.	Pranski, Elaine; Van Sanford, Carson D; Dalal, Nirjari; Orr, Adam L; Karmali, Dipan; Cooper, Deborah S; Gearing, Marla; Lah, James J; Levey, Allan I; Betarbet, Ranjita	Neurosci Lett (2013 Jun 28)	547 / 16-20 PubMed Citation
Nitric oxide-dependent proteasomal degradation of cytochrome P450 2B proteins.	Lee, Choon-Myung; Kim, Bong-Yoon; Li, Lian; Morgan, Edward T	J Biol Chem (2008 Jan 11) 283 / 889-98	PubMed Citation
Nonmotor symptoms of Parkinson's disease revealed in an animal model with reduced monoamine storage ...	Taylor, Tonya N; Caudle, W Michael; Shepherd, Kennie R; Noorian, AliReza; Jackson, Chad R; Iuvone, P Michael; Weinshenker,	J Neurosci (2009 Jun 24)	29 / 8103-13 PubMed Citation

	David; Greene, James G; Miller, Gary W	Rommelfanger, K S; Edwards, G L; Freeman, K G; Liles, L C; Miller, G W; Weinshenker, D	Proc Natl Acad Sci U S A (2007 Aug 21)	104 / 13804-9	PubMed Citation
Norepinephrine loss produces more profound motor deficits than MPTP treatment in mice.	Gyoneva, Stefka; Traynelis, Stephen F	J Biol Chem (2013 May 24)	288 / 15291-302	PubMed Citation	
Obligatory role for complex I inhibition in the dopaminergic neurotoxicity of 1-methyl-4-phenyl-1,2, ...	Richardson, Jason R; Caudle, W Michael; Guillot, Thomas S; Watson, Jodi L; Nakamaru-Ogiso, Eiko; Seo, Byoung Boo; Sherer, Todd B; Greenamyre, J Timothy; Yagi, Takao; Matsuno-Yagi, Akemi; Miller, Gary W	Toxicol Sci (2007 Jan)	95 / 196-204	PubMed Citation	
Organochlorine chemicals and neurodegeneration among elderly subjects in Costa Rica.	Steenland, K; Mora, A M; Barr, D B; Juncos, J; Roman, N; Wesseling, C	Environ Res (2014 Oct)	134 / 205-9	PubMed Citation	
Oxidative signaling in experimental autoimmune encephalomyelitis.	Bernstein, Alison I; Miller, Gary W	Toxicol Sci (2010 Apr)	114 / 159-61	PubMed Citation	
Oxidative stress induced by loss of Cu,Zn-superoxide dismutase (SOD1) or superoxide-generating herbi ...	Fischer, Lindsey R; Glass, Jonathan D	Acta Neuropathol (2010 Feb)	119 / 249-59	PubMed Citation	
p38 MAP kinase regulates circadian rhythms in Drosophila.	Vrailas-Mortimer, Alycia D; Ryan, Sarah M; Avey, Matthew J; Mortimer, Nathan T; Dowse, Harold; Sanyal, Subhabrata	J Biol Rhythms (2014 Dec)	29 / 411-26	PubMed Citation	
PACAP38 increases vesicular monoamine transporter 2 (VMAT2) expression and attenuates methamphetamine ...	Guillot, T S; Richardson, J R; Wang, M Z; Li, Y J; Taylor, T N; Ciliax, B J; Zachrisson, O; Mercer, A; Miller, G W	Neuropeptides (2008 Aug)	42 / 423-34	PubMed Citation	

Perinatal heptachlor exposure increases expression of presynaptic dopaminergic markers in mouse stri ...	Caudle, W Michael; Richardson, Jason R; Wang, Minzheng; Miller, Gary W	Neurotoxicology (2005 Aug)	26 / 721-8	PubMed Citation
Peripheral administration of the selective inhibitor of soluble tumor necrosis factor (TNF) XPro®159 ...	Barnum, Christopher J; Chen, Xi; Chung, Jaegwon; Chang, Jianjun; Williams, Martha; Grigoryan, Nelly; Tesi, Raymond J; Tansey, Malú G	J Parkinsons Dis (2014)	4 / 349-60	PubMed Citation
Plasma metabolomics in human pulmonary tuberculosis disease: a pilot study.	Frediani, Jennifer K; Jones, Dean P; Tukvadze, Nestan; Uppal, Karan; Sanikidze, Eka; Kipiani, Maia; Tran, ViLinh T; Hebbar, Gautam; Walker, Douglas I; Kempker, Russell R; Kurani, Shaheen S; Colas, Romain A; Dalli, Jesmond; Tangpricha, Vin; Serhan, Charles N; Blumberg, Henry M; Ziegler, Thomas R	PLoS One (2014)	9 / e108854	PubMed Citation
Prenatal antidepressant exposure: clinical and preclinical findings.	Bourke, Chase H; Stowe, Zachary N; Owens, Michael J	Pharmacol Rev (2014)	66 / 435-65	PubMed Citation
Prenatal exposure to escitalopram and/or stress in rats produces limited effects on endocrine, behav ...	Bourke, Chase H; Stowe, Zachary N; Neigh, Gretchen N; Olson, Darin E; Owens, Michael J	Neurotoxicol Teratol (2013 Sep-Oct)	39 / 100-9	PubMed Citation
Pyrethroid pesticide-induced alterations in dopamine transporter function.	Elwan, Mohamed A; Richardson, Jason R; Guillot, Thomas S; Caudle, W Michael; Miller, Gary W	Toxicol Appl Pharmacol (2006 Mar 15)	211 / 188-97	PubMed Citation
Redox biology: interface of the exposome with the proteome, epigenome and genome.	Go, Young-Mi; Jones, Dean P	Redox Biol (2014)	2 / 358-60	PubMed Citation
Redox equivalents and mitochondrial bioenergetics.	Roede, James R; Go, Young-Mi; Jones, Dean P	Methods Mol Biol (2012)	810 / 249-80	PubMed Citation

Redox theory of aging.	Jones, Dean P	Redox Biol (2015 Aug)	5 / 71-9	PubMed Citation
Reduced vesicular monoamine transport disrupts serotonin signaling but does not cause serotonergic d ...	Alter, Shawn P; Stout, Kristen A; Lohr, Kelly M; Taylor, Tonya N; Shepherd, Kennie R; Wang, Minzheng; Guillot, Thomas S; Miller, Gary W	Exp Neurol (2016 Jan)	275 Pt 1 / 17-24	PubMed Citation
Reduced vesicular storage of catecholamines causes progressive degeneration in the locus ceruleus.	Taylor, Tonya N; Alter, Shawn P; Wang, Minzheng; Goldstein, David S; Miller, Gary W	Neuropharmacology (2014 Jan)	76 Pt A / 97-105	PubMed Citation
Reduced vesicular storage of dopamine causes progressive nigrostriatal neurodegeneration.	Caudle, W Michael; Richardson, Jason R; Wang, Min Z; Taylor, Tonya N; Guillot, Thomas S; McCormack, Alison L; Colebrooke, Rebecca E; Di Monte, Donato A; Emson, Piers C; Miller, Gary W	J Neurosci (2007 Jul 25)	27 / 8138-48	PubMed Citation
Reduced vesicular storage of dopamine exacerbates methamphetamine-induced neurodegeneration and astr ...	Guillot, Thomas S; Shepherd, Kennie R; Richardson, Jason R; Wang, Min Z; Li, Yingjie; Emson, Piers C; Miller, Gary W	J Neurochem (2008 Sep)	106 / 2205-17	PubMed Citation
Reference Standardization for Mass Spectrometry and High-resolution Metabolomics Applications to Exp ...	Go, Young-Mi; Walker, Douglas I; Liang, Yongliang; Uppal, Karan; Soltow, Quinlyn A; Tran, ViLinh; Strobel, Frederick; Quyyumi, Arshed A; Ziegler, Thomas R; Pennell, Kurt D; Miller, Gary W; Jones, Dean P	Toxicol Sci (2015 Dec)	148 / 531-43	PubMed Citation

RING finger protein 11 (RNF11) modulates susceptibility to 6-OHDA-induced nigral degeneration and be ...	Pranski, Elaine L; Dalal, Nirjari V; Sanford, Carson Van; Herskowitz, Jeremy H; Gearing, Marla; Lazo, Carlos; Miller, Gary W; Lah, James J; Levey, Allan I; Betarbet, Ranjita S	Neurobiol Dis (2013 Jun)	54 / 264-79	PubMed Citation
RNF11 modulates microglia activation through NF-κB signalling cascade.	Dalal, Nirjari V; Pranski, Elaine L; Tansey, Malu G; Lah, James J; Levey, Allan I; Betarbet, Ranjita S	Neurosci Lett (2012 Oct)	528 / 174-9	PubMed Citation
Roles of nitric oxide in inflammatory downregulation of human cytochromes P450.	Aitken, Alison E; Lee, Choon-Myung; Morgan, Edward T	Free Radic Biol Med (2008 Mar 15)	44 / 1161-8	PubMed Citation
Rotenone and paraquat perturb dopamine metabolism: A computational analysis of pesticide toxicity.	Qi, Zhen; Miller, Gary W; Voit, Eberhard O	Toxicology (2014 Jan 6)	315 / 92-101	PubMed Citation
Selective and cytokine-dependent regulation of hepatic transporters and bile acid homeostasis during ...	Merrell, Matthew D; Nyagode, Beatrice A; Clarke, John D; Cherrington, Nathan J; Morgan, Edward T	Drug Metab Dispos (2014 Apr)	42 / 596-602	PubMed Citation
Selective damage to dopaminergic transporters following exposure to the brominated flame retardant, ...	Genskow, Kelly R; Bradner, Joshua M; Hossain, Muhammad M; Richardson, Jason R; Caudle, W Michael	Neurotoxicol Teratol (2015 Nov-Dec)	52 / 162-9	PubMed Citation
Self-similarity in NMR Spectra: An Application in Assessing the Level of Cysteine.	Jung, Yoon Young; Park, Youngja; Jones, Dean P; Ziegler, Thomas R; Vidakovic, Brani	J Data Sci (2010 Jan 1)	8 / 1-19	PubMed Citation
Sequencing the exposome: A call to action.	Jones, Dean P	Toxicol Rep (2016)	3 / 29-45	PubMed Citation
SOD1 targeted to the mitochondrial intermembrane space prevents motor neuropathy in the Sod1 knockou ...	Fischer, Lindsey R; Igoudjil, Anissa; Magrane, Jordi; Li, Yingjie; Hansen, Jason M; Manfredi, Giovanni; Glass, Jonathan D	Brain (2011 Jan)	134 / 196-209	PubMed Citation

Spatially-resolved intracellular sensing of hydrogen peroxide in living cells.	Warren, Emilie A K; Netterfield, Tatiana S; Sarkar, Saheli; Kemp, Melissa L; Payne, Christine K	Sci Rep (2015 Nov 20)	5 / 16929	PubMed Citation
Structural determinants of agonist efficacy at the glutamate binding site of N-methyl-D-aspartate re ...	Hansen, Kasper B; Tajima, Nami; Risgaard, Rune; Perszyk, Riley E; Jørgensen, Lars; Vance, Katie M; Ogden, Kevin K; Clausen, Rasmus P; Furukawa, Hiro; Traynelis, Stephen F	Mol Pharmacol (2013 Jul)	84 / 114-27	PubMed Citation
Structure of glycerol dehydrogenase from <i>Serratia</i> .	Musille, Paul; Ortlund, Eric	Acta Crystallogr F Struct Biol Commun (2014 Feb)	70 / 166-72	PubMed Citation
Systemic inflammation regulates microglial responses to tissue damage in vivo.	Gyoneva, Stefka; Davalos, Dimitrios; Biswas, Dipankar; Swanger, Sharon A; Garnier-Amblard, Ethel; Loth, Francis; Akassoglou, Katerina; Traynelis, Stephen F	Glia (2014 Aug)	62 / 1345-60	PubMed Citation
Targeting mitochondrial reactive oxygen species to modulate hypoxia-induced pulmonary hypertension.	Adesina, Sherry E; Kang, Bum-Yong; Bijli, Kaiser M; Ma, Jing; Cheng, Juan; Murphy, Tamara C; Michael Hart, C; Sutliff, Roy L	Free Radic Biol Med (2015 Oct)	87 / 36-47	PubMed Citation
The cysteine proteome.	Go, Young-Mi; Chandler, Joshua D; Jones, Dean P	Free Radic Biol Med (2015 Jul)	84 / 227-45	PubMed Citation
The Influences of Genetic and Environmental Factors on Methylome-wide Association Studies for Human ...	Sun, Yan V	Curr Genet Med Rep (2014 Dec 1)	2 / 261-270	PubMed Citation
The internal state of medium spiny neurons varies in response to different input signals.	Qi, Zhen; Miller, Gary W; Voit, Eberhard O	BMC Syst Biol (2010 Mar 17)	4 / 26	PubMed Citation
The nature of nurture: refining the definition of the exposome.	Miller, Gary W; Jones, Dean P	Toxicol Sci (2014 Jan)	137 / 1-2	PubMed Citation

The Redox Code.	Jones, Dean P; Sies, Helmut	Antioxid Redox Signal (2015 Sep 20)	23 / 734-46	PubMed Citation
The vesicular monoamine transporter 2: an underexplored pharmacological target.	Bernstein, Alison I; Stout, Kristen A; Miller, Gary W	Neurochem Int (2014 Jul)	73 / 89-97	PubMed Citation
This can't be stressed enough: The contribution of select environmental toxicants to disruption of t ...	Michael Caudle, W	Physiol Behav (2015 Sep 25)	/	PubMed Citation
Transport behavior of functionalized multi-wall carbon nanotubes in water-saturated quartz sand as a ...	Wang, Yonggang; Kim, Jae-Hong; Baek, Jong-Beom; Miller, Gary W; Pennell, Kurt D	Water Res (2012 Sep 15)	46 / 4521-31	PubMed Citation
Treadmill gait analysis does not detect motor deficits in animal models of Parkinson's disease or am ...	Guillot, Thomas S; Asress, Seneshaw A; Richardson, Jason R; Glass, Jonathan D; Miller, Gary W	J Mot Behav (2008 Nov)	40 / 568-77	PubMed Citation
Two weeks of predatory stress induces anxiety-like behavior with co-morbid depressive-like behavior ...	Burgado, Jillybeth; Harrell, Constance S; Eacret, Darrell; Reddy, Renuka; Barnum, Christopher J; Tansey, Malú G; Miller, Andrew H; Wang, Huichen; Neigh, Gretchen N	Behav Brain Res (2014 Dec 15)	275 / 120-5	PubMed Citation
Unexpected Allosteric Network Contributes to LRH-1 Co-regulator Selectivity.	Musille, Paul M; Kossmann, Bradley R; Kohn, Jeffrey A; Ivanov, Ivaylo; Ortlund, Eric A	J Biol Chem (2016 Jan 15)	291 / 1411-26	PubMed Citation
Urinary metabolomics revealed arsenic internal dose-related metabolic alterations: a proof-of-concep ...	Zhang, Jie; Shen, Heqing; Xu, Weipan; Xia, Yankai; Barr, Dana Boyd; Mu, Xiaoli; Wang, Xiaoxue; Liu, Liangpo; Huang, Qingyu; Tian, Meiping	Environ Sci Technol (2014 Oct 21)	48 / 12265-74	PubMed Citation
Using self-organizing maps to develop ambient air quality classifications: a time series example.	Pearce, John L; Waller, Lance A; Chang, Howard H; Klein, Mitch; Mulholland, James A; Sarnat, Jeremy A; Sarnat, Stefanie E; Strickland, Matthew J; Tolbert,	Environ Health (2014 Jul 03)	13 / 56	PubMed Citation

		Paige E			
Vesicular integrity in Parkinson's disease.	Alter, Shawn P; Lenzi, Gina M; Bernstein, Alison I; Miller, Gary W	Curr Neurol Neurosci Rep (2013 Jul)	13 / 362	PubMed Citation	
VMAT2 and Parkinson's disease: harnessing the dopamine vesicle.	Lohr, Kelly M; Miller, Gary W	Expert Rev Neurother (2014 Oct)	14 / 1115-7	PubMed Citation	
VMAT2-Deficient Mice Display Nigral and Extranigral Pathology and Motor and Nonmotor Symptoms of Par ...	Taylor, Tonya N; Caudle, W Michael; Miller, Gary W	Parkinsons Dis (2011 Feb 21)	2011 / 124165	PubMed Citation	
Vulnerability of synapses in the frontal cortex of mice developmentally exposed to an insecticide: P ...	Caudle, W Michael	Neurotransmitter (Houst) (2015)	2 /	PubMed Citation	
β-Hexachlorocyclohexane levels in serum and risk of Parkinson's disease.	Richardson, Jason R; Roy, Ananya; Shalat, Stuart L; Buckley, Brian; Winnik, Bozena; Gearing, Marla; Levey, Allan I; Factor, Stewart A; O'Suilleabhain, Padraig; German, Dwight C	Neurotoxicology (2011 Oct)	32 / 640-5	PubMed Citation	